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| 09/447,351      | 11/22/1999  | RONALD M. HUBERMAN   | 97573-U.S.          | 3718             |

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EXAMINER

NGUYEN, VAN KIM T

ART UNIT PAPER NUMBER

2661

DATE MAILED: 02/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/447,351

Applicant(s)

HUBERMAN ET AL.

Examiner

Van Kim T. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 22 November 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

### DETAILED ACTION

This Office Action is responsive to communications filed on November 22, 1999.

#### *Claim Rejections - 35 USC § 112*

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 15-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 15 recites the limitation "said bucket" in the last two lines of the claim. There is insufficient antecedent basis for this limitation in the claim.

#### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 10-16, 18, and 29-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Milito (US 5,596,576).

Regarding claims 10-11, 15-16 and 30, Milito discloses a credit method and system for use in sharing of resources comprising: periodically assigning credit tokens to a bucket, blocking a call (deny access) to the dialed number (trunk, 3-port conference circuits and UTP) if there are no current credit tokens assigned to the bucket, and permitting the call (permit access) if there is at least one token (cols. 3-11, esp. col. 3, lines 45-62).

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Regarding claims 12 and 31, Milito also discloses a credit overflow threshold is provided whereby no new credit tokens are assigned to the bucket when the threshold has been reached (col. 7: lines 45-58).

Regarding claim 13-14, 18, and 29, Milito also discloses a credit bucket mechanism to set an interval for issuing credit tokens to the bucket and a detector to determine if any credits are in the bucket (cols. 8-9).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, 23, and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ram et al (US 6,038,309), in view of Margulis et al (US 6,243,449).

Regarding claims 1-2, 23 and 27, as shown in Figures 1-7, Ram discloses a call server (32, 33, 34, 36; column 5: lines 13-39, and column 8: lines 34-48) for use in association with a packet network (24) which transports calls between end systems (22) in a public switched telephone network (20). The packet network having interworking functionality to bi-directionally convert TDM signals and packets (cols. 6-7, esp. col. 6: lines 18-29), the call server having means to centrally control functionality within the packet network and TDM switches within the PSTN (col. 8: lines 34-48).

However, Ram does not call for means to detect a mass calling event in real time.

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As shown in Figures 1-3, Margulis teaches means for detecting a mass calling event in real time (cols. 1-9).

Since it is highly desirable to be able to monitor data throughput in a multi-media communication network, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to utilize Margulis' method of detecting and controlling mass calling event in Ram's system for externally controlling call processing in order to avoid switch congestion and optimize the use of system's resources.

***Claim Rejections - 35 USC § 103***

4. Claims 3-9, 17, 19-22, 24-26, and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ram et al (US 6,038,309), in view of Margulis (US 6,243,449) as applied to claims 1-2, 23, and 27 above.

Regarding claims 3-5, 19-22, and 24-26, the combination of Ram and Margulis also discloses the packet network is based on an ATM, or a Frame Relay, or an IP packet protocol, (Ram, column 5: lines 21-24).

Regarding claims 6 and 28, the combination of Ram and Margulis also discloses means to detect an end of a mass calling event and to cease regulation of calling activity upon detection of an end of a mass calling event (Margulis, cols 7-8, esp. col. 8: lines 53-63).

Regarding claims 7 and 17, the combination of Ram and Margulis also discloses means to detect the ratio of failed call events initiated to a call destination (Margulis, cols. 4-7).

Regarding claims 8-9, the combination of Ram and Margulis also discloses means to convert (mapping) directory numbers (destination number) to un-translated dialed numbers (terminating number) and to convert un-translated dialed numbers to directory numbers

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(Margulis, col. 8-9); and having memory means for storing a directory number of a call terminator (Margulis, col. 9: lines 5-12; Ram, col. 11, lines 23-28).

As previously stated, since it is highly desirable to be able to monitor data throughput in a multi-media communication network, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to utilize Margulis' method of detecting and controlling mass calling event in Ram's system for externally controlling call processing in order to avoid switch congestion and optimize the use of the system's resources.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

6. Mauger (US 6,222,843), Providing Services in a Telecommunications Network; Breuckheimer et al (US 6,496,508), Communications System Architecture and Method of Establishing a Communication Connection Therein; Thibon et al (US 6,424,700), Network Based Distributed PBX with Connection Loss Survival Features; ATM-Based Distributed Virtual Tandem Switching System; Hayball et al (US 6,356,627), Communication System Architecture, Apparatus and Management and Signaling Method Therein; DuRee et al (US 6,351,521), Communications Test System; Chu et al (US 5,956,334), Method for Interfacing a Telephony and an ATM Network to Establish Voice Communications; Kodialam et al (US 5,923,742), System and Method for Detecting Mass Address Events; Jeong (US 5,832,064), Mass Calling Processing Method for Televoting Service.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Van Kim T. Nguyen whose telephone number is 703-305-7692.

The examiner can normally be reached on 8:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Olms can be reached on 703-305-4703. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

vkn  
February 6, 2003



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